

AMENDMENT

In the claims:

1. (Currently Amended) A method for transmitting a datagram in an apparatus having point-to-point protocol sessions which transmits datagrams received from a physical layer of a communication network to a network layer, the method of comprising the steps of:
 - establishing at least two PPP sessions for redundant transmission of datagrams;
 - classifying the datagrams received from a physical layer based on the PPP session and transmitting the datagram to a corresponding PPP session;
 - processing the datagram received by the PPP in the PPP session; and
 - selecting one of the processed datagrams and transmitting the selected datagram to the network.
2. (Original) The method as recited in claim 1, wherein the step c includes the step of decapsulizing the datagram received from the physical layer.
3. (Original) The method as recited in claim 2, wherein the step d includes the steps of :
 - comparing the decapsulized datagrams; and
 - deleting the datagram having an error at comparing result.
4. (Currently Amended) A computer readable recording media storing instructions for executing a method for transmitting a datagram in an apparatus having point-to-point protocol sessions which transmits datagrams received from a physical layer of communication network to a network layer, the method comprising the steps of:
 - establishing at least two PPP sessions for redundant transmission of datagrams;

classifying the datagrams received from a physical layer based on the PPP session and transmitting the datagram to a corresponding PPP session;
processing the datagram received by the PPP in the PPP session; and
selecting one of the processed datagrams and transmitting the selected datagram to the network layer.

5. (Currently Amended) An apparatus for transmitting a datagram, the apparatus having point-to-point protocol (PPP) sessions which transmits datagrams received from a physical layer of communication network to a network layer, comprising:

PPP session means having a plurality of PPP sessions for redundant transmission of datagrams;

a first management plane located on an upper layer of the PPP sessions, for selecting a corresponding one of the datagrams received from the PPP sessions and transmitting the selected datagram to the network layer; and

a second management plane located on an under layer of the PPP sessions, for classifying datagrams received from a physical layer and transmitting each of the datagrams to the PPP session corresponding to the datagram, respectively.

6. (Original) The apparatus as recited in claim 5, wherein the PPP session means decapsulizes the datagram received from the second management plane.
7. (Original) The apparatus as recited in claim 6, wherein the first management plane compares decapsulized datagrams and delete the datagram having an error.

8.-17. (Cancelled)